

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/892,591A  
Source: FW/6  
Date Processed by STIC: 2/1/06

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 02/01/2006

PATENT APPLICATION: US/09/892,591A

TIME: 10:59:49

Input Set : A:\GFI-100 (09-892,591) Sequence Listing.txt

Output Set: N:\CRF4\02012006\I892591A.raw

```

4 <110> APPLICANT: Gerngross, Tillman U.
7 <120> TITLE OF INVENTION: METHODS FOR PRODUCING MODIFIED
8   GLYCOPROTEINS
10 <130> FILE REFERENCE: GFI 100
12 <140> CURRENT APPLICATION NUMBER: US 09/892,591A
13 <141> CURRENT FILING DATE: 2001-06-27
15 <150> PRIOR APPLICATION NUMBER: US 60/214,358
16 <151> PRIOR FILING DATE: 2000-06-28
18 <150> PRIOR APPLICATION NUMBER: US 60/215,638
19 <151> PRIOR FILING DATE: 2000-06-30
21 <150> PRIOR APPLICATION NUMBER: US 60/279,997
22 <151> PRIOR FILING DATE: 2001-03-30
24 <160> NUMBER OF SEQ ID NOS: 6
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 21
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Primer A for target gene in P. pastoris
35   (1,6-mannosyltransferase)
37 <400> SEQUENCE: 1
38 atggcgaagg cagatggcag t                               21
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 21
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Primer B for target gene in P. pastoris
47   (1,6-mannosyltransferase)
49 <400> SEQUENCE: 2
50 ttagtccttc caacttcctt c                               21
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 26
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Primer A for target gene in P. pastoris (1,2
59   mannosyltransferases)
W--> 61 <221> NAME/KEY: misc_feature
62 <222> LOCATION: 9, 12, 18, 21...
63 <223> OTHER INFORMATION: n = A,T,C or G
W--> 65 <221> misc_feature

```

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```

66 <222> LOCATION: 3
67 <223> OTHER INFORMATION: n = C or T
W--> 69 <221> misc_feature
70 <222> LOCATION: 7
71 <223> OTHER INFORMATION: n = A or C
W--> 73 <221> misc_feature
74 <222> LOCATION: 15
75 <223> OTHER INFORMATION: n = A or G
W--> 77 <221> misc_feature
78 <222> LOCATION: 17
79 <223> OTHER INFORMATION: n = C or T
W--> 81 <221> misc_feature
82 <222> LOCATION: (21)...(21)
83 <223> OTHER INFORMATION: n = C or T
W--> 85 <221> misc_feature
86 <222> LOCATION: (24)...(24)
87 <223> OTHER INFORMATION: n = A, C or T
W--> 89 <400> 3
W--> 90 tantggngng tngancnnga natnaa 26
92 <210> SEQ ID NO: 4
93 <211> LENGTH: 20
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Primer for target gene in P. pastoris (1,2
99 mannosyltransferases)
W--> 101 <221> NAME/KEY: misc_feature
102 <222> LOCATION: 6, 12
103 <223> OTHER INFORMATION: n = A,T,C or G
W--> 105 <221> misc_feature
106 <222> LOCATION: 3
107 <223> OTHER INFORMATION: n = A or G
W--> 109 <221> misc_feature
110 <222> LOCATION: 14
111 <223> OTHER INFORMATION: n = G or T
W--> 113 <221> misc_feature
114 <222> LOCATION: 15
115 <223> OTHER INFORMATION: n = C or T
W--> 117 <221> misc_feature
118 <222> LOCATION: 18
119 <223> OTHER INFORMATION: n = A or G
W--> 121 <400> 4
W--> 122 gcntcncccc ancnnntcnta 20
124 <210> SEQ ID NO: 5
125 <211> LENGTH: 4
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Signal tetrapeptide

```

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DATE: 02/01/2006

PATENT APPLICATION: US/09/892,591A

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Input Set : A:\GFI-100 (09-892,591) Sequence Listing.txt

Output Set: N:\CRF4\02012006\I892591A.raw

132 <400> SEQUENCE: 5  
133 His Asp Glu Leu  
134 1  
137 <210> SEQ ID NO: 6  
138 <211> LENGTH: 4  
139 <212> TYPE: PRT  
140 <213> ORGANISM: Artificial Sequence  
142 <220> FEATURE:  
143 <223> OTHER INFORMATION: Signal tetrapeptide  
145 <400> SEQUENCE: 6  
146 Lys Asp Glu Leu  
147 1

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/892,591A

DATE: 02/01/2006  
TIME: 10:59:50

Input Set : A:\GFI-100 (09-892,591) Sequence Listing.txt  
Output Set: N:\CRF4\02012006\I892591A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 3,7,9,12,15,17,18,21,24 /

Seq#:4; N Pos. 3,6,12,14,15,18

## VERIFICATION SUMMARY

DATE: 02/01/2006

PATENT APPLICATION: US/09/892,591A

TIME: 10:59:50

Input Set : A:\GFI-100 (09-892,591) Sequence Listing.txt

Output Set: N:\CRF4\02012006\I892591A.raw

L:61 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:69 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:73 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:77 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:81 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:85 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:89 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:101 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:105 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:113 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:117 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:121 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0